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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: August 27, 2004 (Use as many sheets as necessary)		Complete if Known	
Application Number		10/805,807	
Filing Date		03/22/2004	
First Named Inventor		Ashish Singhal	
Group Art Unit		2856	
Examiner Name		To be determined	
Attorney Docket Number		081445-0359	
Sheet	1	of	3

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			

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	A1	DIEBOLD, F. X.; "Elements of Forecasting"; South-Western College Publishing, Cincinnati, OH (1998); Pages 30-31.	
	A2	IGLEWICZ, B. and HOAGLIN, D. C.; "How to Detect and Handle Outliers"; American Society for Quality; Milwaukee, WI (1993); Pages 32-33.	
	A3	KUNT, M.; "Digital Signal Processing"; Artech House; Norwood, MA (1986); Pages 125-143.	
	A4	MONTGOMERY, D. C. and RUNGER, G. C.; "Applied Statistics and Probability for Engineers"; John Wiley; NY (1994); Chapter 14; Pages 831-865.	
	A5	SHESKIN, D. J.; "Handbook of Parametric and Nonparametric Statistical Procedures; Chapman & Hall/CRC; Boca Raton, FL; 2 nd edn. (2000); Pages 390-392.	
	A6	TECHNICAL ASSOCIATES; "Concentrated Vibration Signature Analysis and Related Condition Monitoring Techniques"; Technical Associates of Charlotte, P.C.; Charlotte, NC (2002); Chapter 3.	

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Examiner Signature 	Date Considered 03/05/05
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

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	A7	ZANI, S., RIANI, M. and CORBELLINI, A.; "Robust Bivariate Boxplots and Multiple Outlier Detection"; Computational Statistics & Data Analysis; 28 (1998); Pages 257-270.		
	A8	ROSNER, B.; "Percentage Points for a Generalized ESD Many-Outlier Procedure"; Technometrics; 25 (1983); Pages 162-172.		
	A9	SHEATHER, S. J. and JONES, M. C.; "A Reliable Data-Based Bandwidth Selection Method for Kernel Density Estimation"; J. Royal Statistical Soc. Ser. B; 53 (1991) Pages 683-690.		
	A10	WATTS, B. and VANDYKE, J., SR.; "An Automated Vibration-Based Expert Diagnostic System"; Sound and Vibration; 27(9) (1993); Pages 14-20.		
	A11	WORDEN, K.; "Damage Detection Using Multivariate Statistics, Part II: Kernel Density Estimation"; In Proc. Intl. Conf. On Noise and Vibration Engr. (ISMA-23); Leuven, Belgium (1998); 9 Pages.		
	A12	MARRON, J. S. and RUPPERT, D.; "Transformations to Reduce Boundary Bias in Kernel Density Estimation"; J. Royal Statistical Society Ser. B; 56 (1994); Pages 653-671.		
	A13	PARK, B. U. and TURLACH, B. A.; "Practical Performance of Several Data Driven Bandwidth Selectors"; Computational Statistics; 7 (1992); Pages 251-270.		
	A14	JONES, M. C.; "Simple Boundary Correction for Kernel Density Estimation"; Statistics and Computing; 3 (1993); Pages 135-146.		
	A15	MARCAL, R. F. M., NEGEREIRO, M., SUSIN, A. A. and KOVALESKI, J. L.; "Detecting Faults in Rotating Machines"; IEEE Instrum. & Meas. Mag.; 3(4) (2000); Pages 24-26.		

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	A16	FORSTER, J. J.; "Estimating the Survival Distribution"; In Lecture Notes in Survival Analysis; School of Mathematics, University of Southampton, Highfield, UK; (2003); 27 Pages; http://www.maths.soton.ac.uk/staff/JJForster/Teaching/Math6021 .	
	A17	CARONI, C. and PRESCOTT, P.; "Sequential Application of Wilk's Multivariate Outlier Test"; Appl. Statistics; 41; (1992); Pages 335-364.	
	A18	CAREY, V. J., WAGNER, C. G., WALTERS, E. E. and ROSNER, B. A.; "Resistant and Test-Based Outlier Rejection: Effects on Gaussian One-and Two-Sample Inference"; Technometrics; 39; (1997) Pages 320-330.	
	A19	BERRY, J. E., "Proven Method for Specifying Both Spectral Alarm Bands as Well as Narrowband Alarm Envelopes Using Today's Condition Monitoring Software Systems"; Technical Associates of Charlotte, PC, Charlotte, NC, 4 th edn. (2002), 59 Pages.	
	A20	DUDA, R. O., HART, P.E. and STORK, D. G., Pattern Classification, "Nonparametric Techniques", John Wiley, NY, 2 nd edn. (2001), Chapter 4, Pages 161-200.	
	A21	SCOTT, D. W., "Multivariate Density Estimation: Theory, Visualization and Practice", John Wiley, NY (1992) Chapters 6 & 7.	
	A22	SILVERMAN, B.W., "Density Estimation for Statistics and Data Analysis", Chapman & Hall, London (1986), whole book.	
	A23	VENABLES, W. N. and RIPLEY, B. D., "Modern Applied Statistics with S. Springer, NY, 4 th edn. (2002), Chapter 13.	
	A24	WAND, M.P. and M. C. JONES, "Kernel Smoothing", Chapman & Hall/CRC, Boca Raton, FL (1995), Chapters 2, 3 and 4.	

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